

4.2.C. 08010205030.

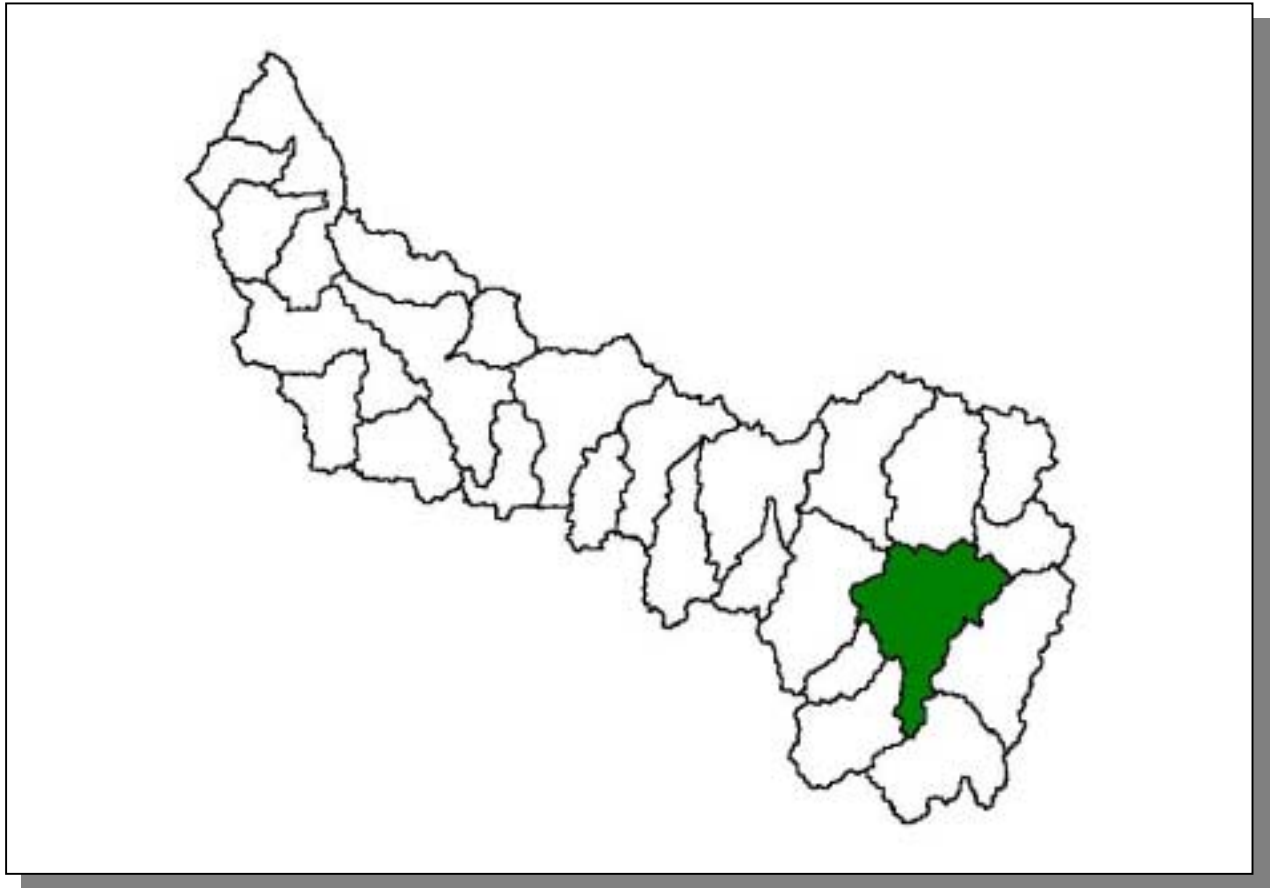


Figure 4-11. Location of Subwatershed 08010205030. All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.C.i. General Description.

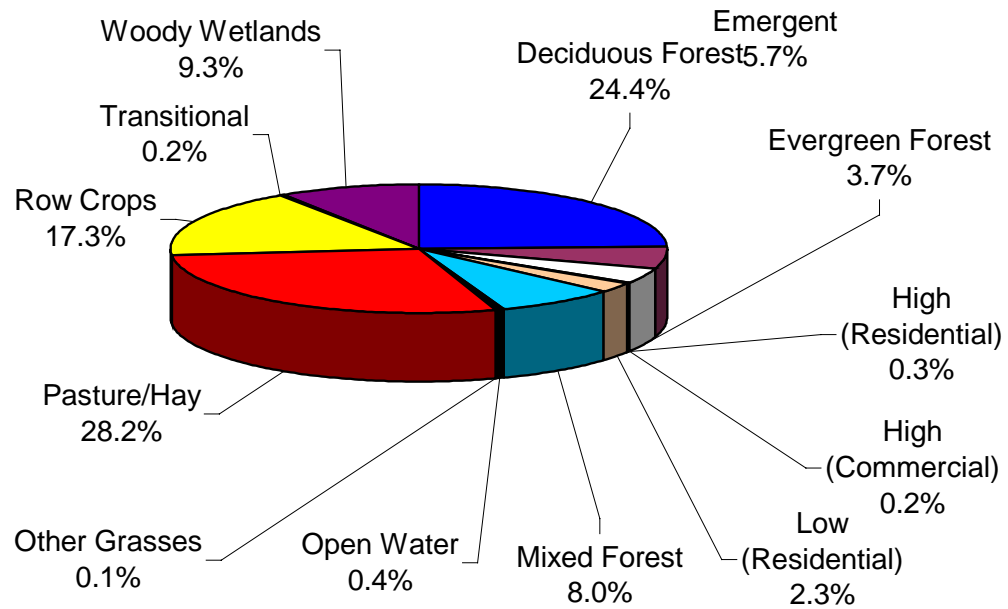


Figure 4-12. Land Use Distribution in Subwatershed 08010205030. More information is provided in SFFD-Appendix IV.

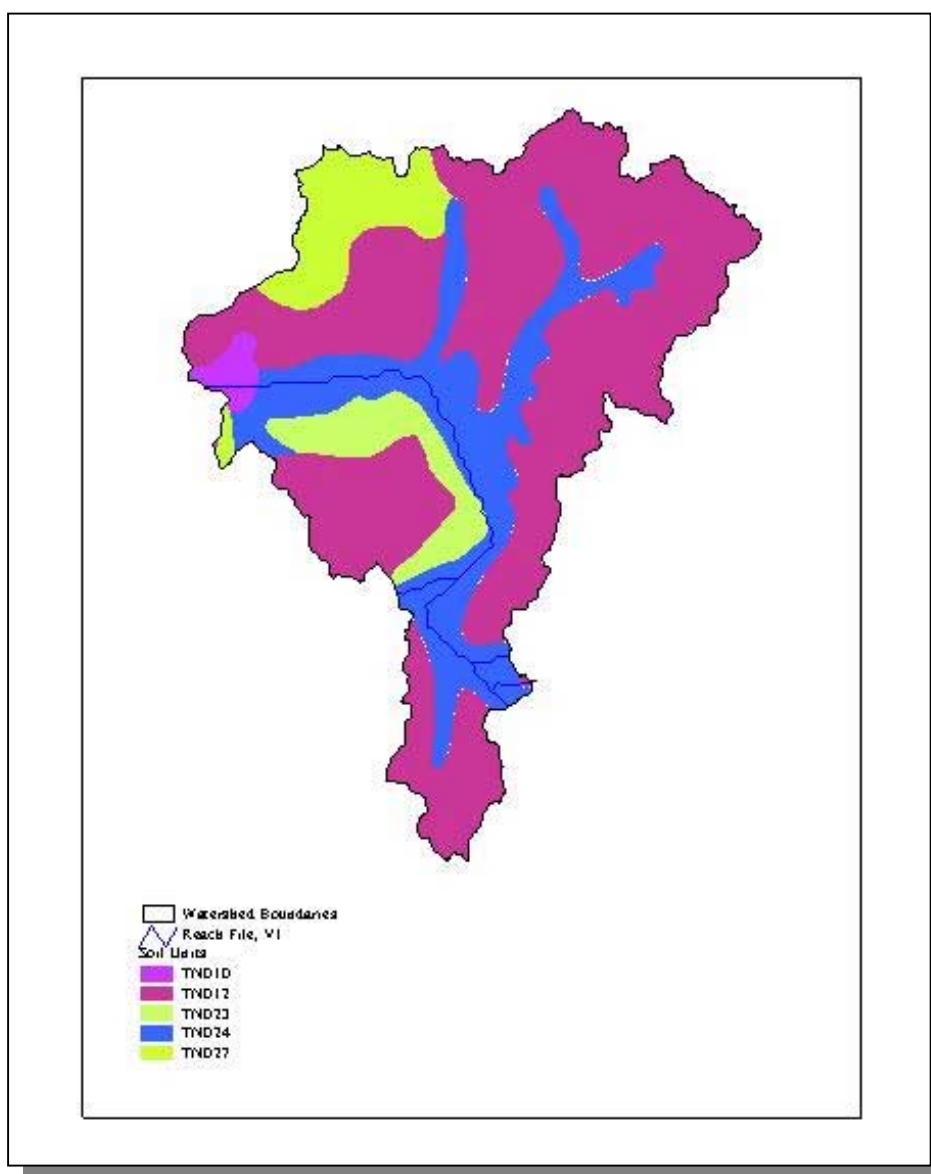


Figure 4-13. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205030.

| STATSGO MAP UNIT ID | PERCENT HYDRIC | HYDROLOGIC GROUP | PERMEABILITY (in/hour) | SOIL pH | ESTIMATED SOIL TEXTURE | SOIL ERODIBILITY |
|------------------------|-------------------|---------------------|---------------------------|------------|---------------------------|---------------------|
| TN010 | 81.00 | C | 1.33 | 5.11 | Silty Loam | 0.44 |
| TN012 | 1.00 | C | 2.52 | 5.13 | Silty Loam | 0.39 |
| TN023 | 17.00 | C | 1.35 | 5.12 | Silty Loam | 0.42 |
| TN024 | 61.00 | D | 2.18 | 5.35 | Loam | 0.29 |
| TN027 | 0.00 | C | 1.26 | 5.25 | Silty Loam | 0.41 |

Table 4-13. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205030. More information is provided in SFFD-Appendix IV.

| | COUNTY POPULATION | | | ESTIMATED POPULATION IN WATERSHED | | % CHANGE |
|---------------|----------------------|----------------|-----------------------------|---|--------------|-------------|
| County | 1990 | 1997 Est. | Portion of Watershed (%) | 1990 | 1997 | |
| Chester | 12,819 | 14,469 | 20.81 | 2,668 | 3,011 | 12.9 |
| McNairy | 22,422 | 23,678 | 0.09 | 20 | 21 | 5.0 |
| Madison | 77,982 | 84,942 | 1.06 | 823 | 897 | 9.0 |
| Totals | 113,223 | 123,089 | | 3,511 | 3,929 | 11.9 |

Table 4-14. Population Estimates in Subwatershed 08010205030.

| | | | NUMBER OF HOUSING UNITS | | | |
|-----------------|---------|--------------|-------------------------|--------------|-------------|----------|
| Populated Place | County | Population | Total | Public Sewer | Septic Tank | Other |
| Finger | McNairy | 273 | 119 | 2 | 115 | 2 |
| Henderson | Chester | 4,760 | 1,600 | 1,476 | 124 | 0 |
| Totals | | 5,033 | 1,719 | 1,478 | 239 | 2 |

Table 4-15. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205030.

4.2.C.ii. Point Source Contributions.



Figure 4-14. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 08010205030. More information, including the names of facilities, is provided in SFFD-Appendix IV.

4.2.C.iii. Nonpoint Source Contributions.

| LIVESTOCK (COUNTS) | | | | |
|--------------------|--------|----------|------|-------|
| Beef Cow | Cattle | Chickens | Hogs | Sheep |
| 30 | 2,666 | <5 | 550 | <5 |

Table 4-16. Summary of Livestock Count Estimates in Subwatershed 08010205030. According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

| CROP | TONS/ACRE/YEAR |
|---------------------------------------|----------------|
| Corn (Row Crops) | 10.45 |
| Soybeans (Row Crops) | 6.35 |
| Cotton (Row Crops) | 18.96 |
| Wheat (Close Grown Cropland) | 9.89 |
| Grass (Hayland) | 0.36 |
| Other Cropland not Planted | 0.38 |
| Grass (Pastureland) | 0.35 |
| Forest Land (Not Grazed) | 0.00 |
| Farmsteads and Ranch Headquarters | 0.12 |
| Other Vegetable and Truck Crops | 26.31 |
| Grass, Forbs, Legumes (Mixed Pasture) | 0.65 |
| Other Land in Farms | 0.08 |
| All Other Close Grown Cropland | 0.47 |
| Conservation Reserve Program Lands | 0.44 |
| Legume Grass (Hayland) | 0.21 |
| Forest Land (Grazed) | 0.00 |
| Sorghum (Row Crops) | 3.62 |
| Legume (Hayland) | 0.12 |

Table 4-17. Annual Estimated Total Soil Loss in Subwatershed 08010205030.